FIGURE 1

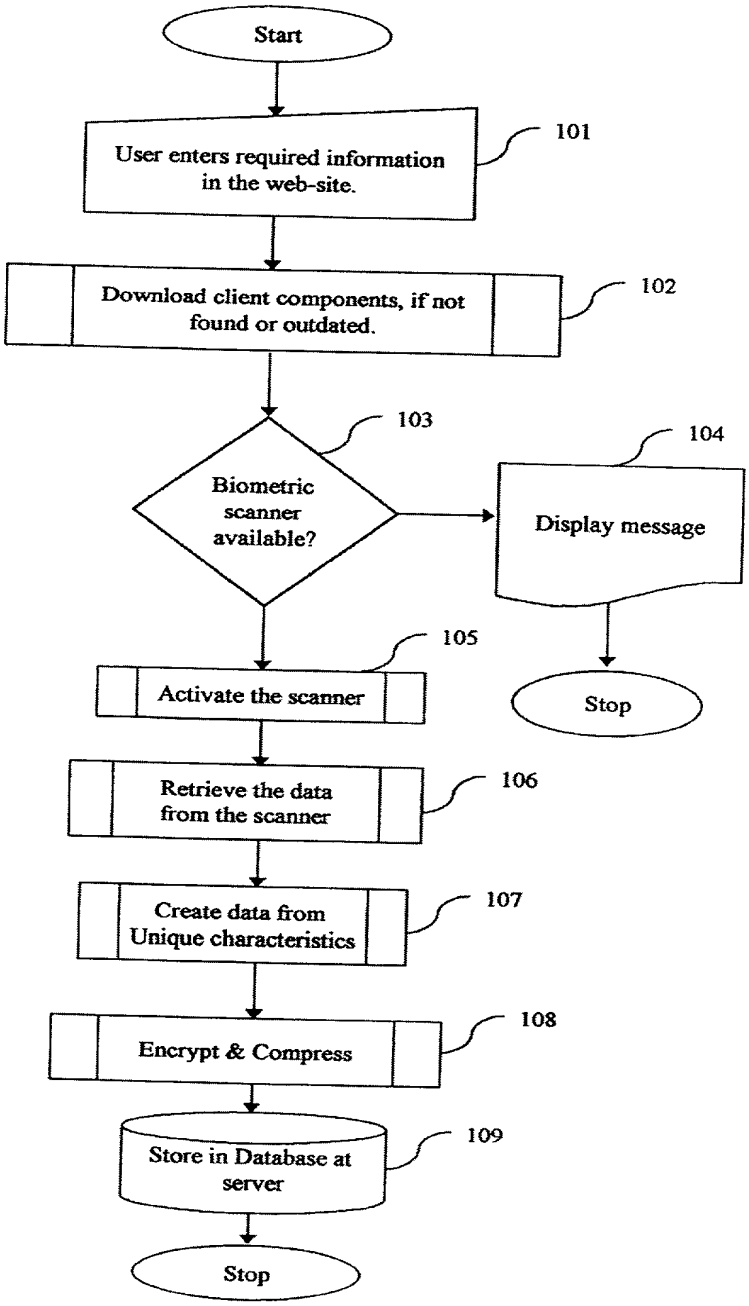
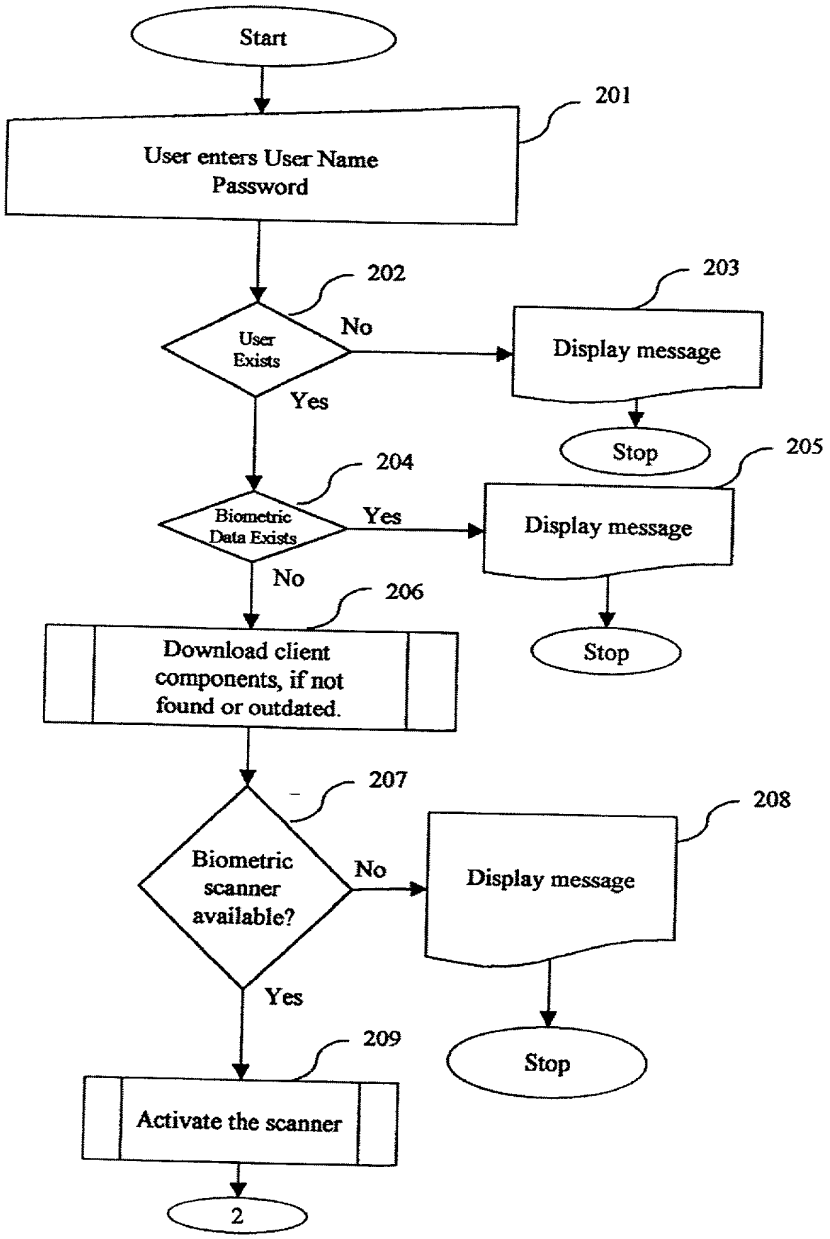

Start
User enters required information in the web-site.
101
Download client components, if not found or outdated.
102
Biometric scanner available?
103
Display message
104
Stop
Activate the scanner
105
Retrieve the data from the scanner
106
Create data from Unique characteristics
107
Encrypt & Compress
108
Store in Database at server
109
Stop

FIGURE 2a



.... continued

FIGURE 2b

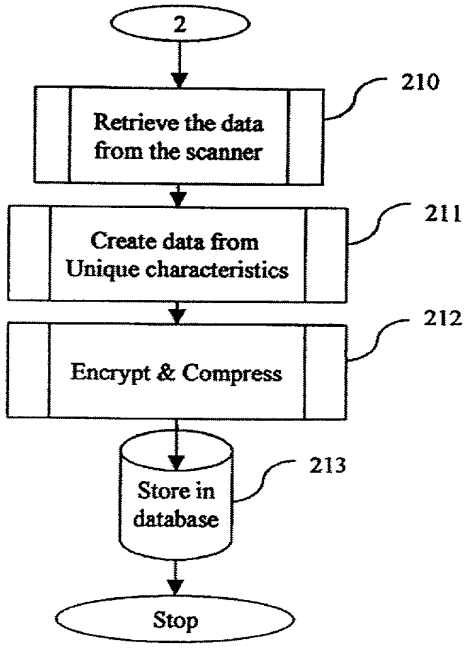
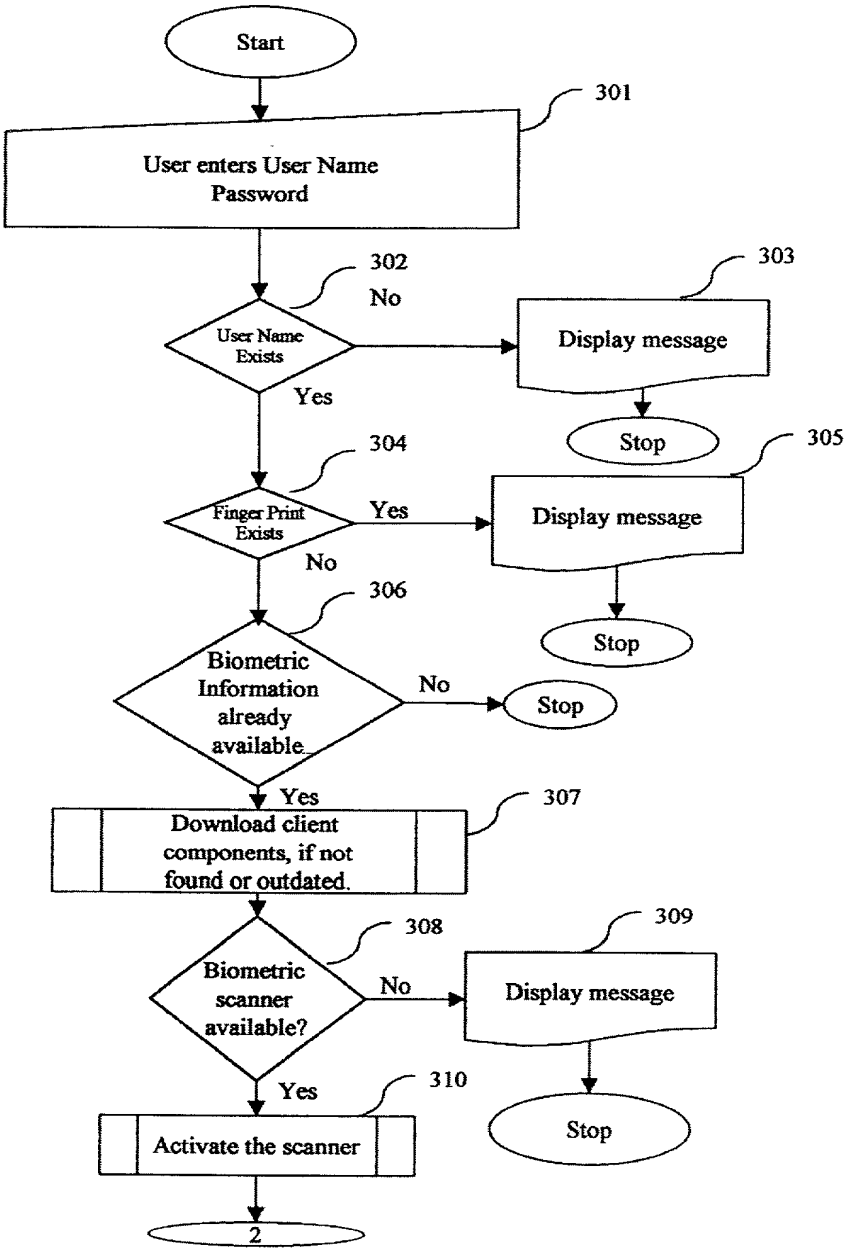

2
Retrieve the data from the scanner
210
Create data from Unique characteristics
211
Encrypt & Compress
212
Store in database
213
Stop

FIGURE 3a



.... continued

FIGURE 3b

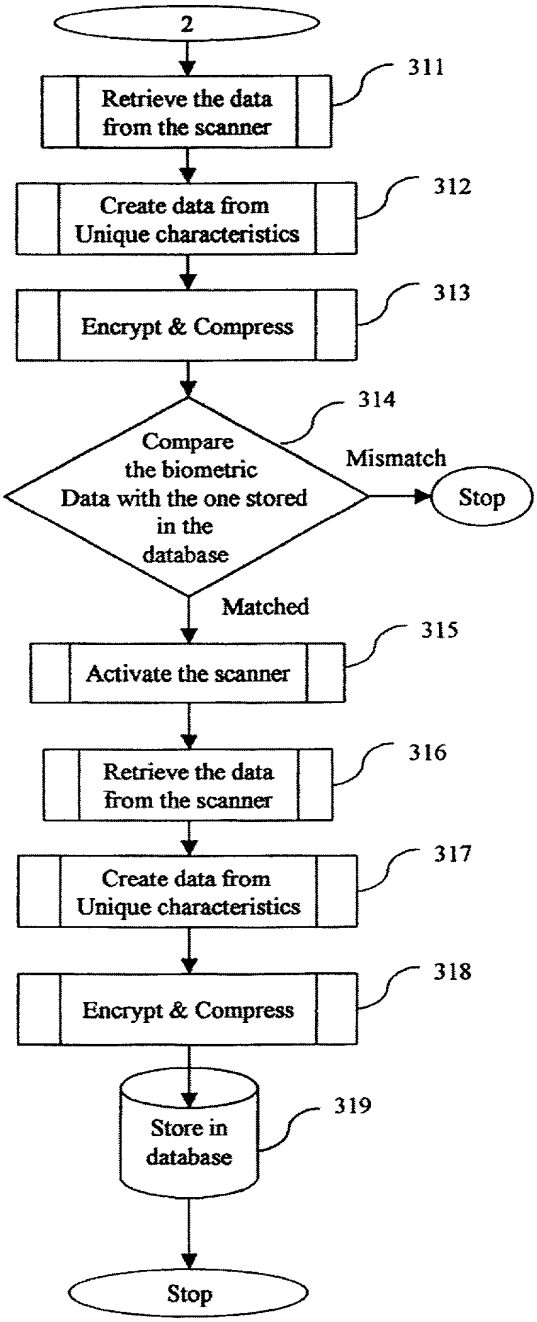

2
Retrieve the data from the scanner
311
Create data from Unique characteristics
312
Encrypt & Compress
313
Compare the biometric Data with the one stored in the database
314
Mismatch
Stop
Matched
Activate the scanner
315
Retrieve the data from the scanner
316
Create data from Unique characteristics
317
Encrypt & Compress
318
Store in database
319
Stop

FIGURE 4

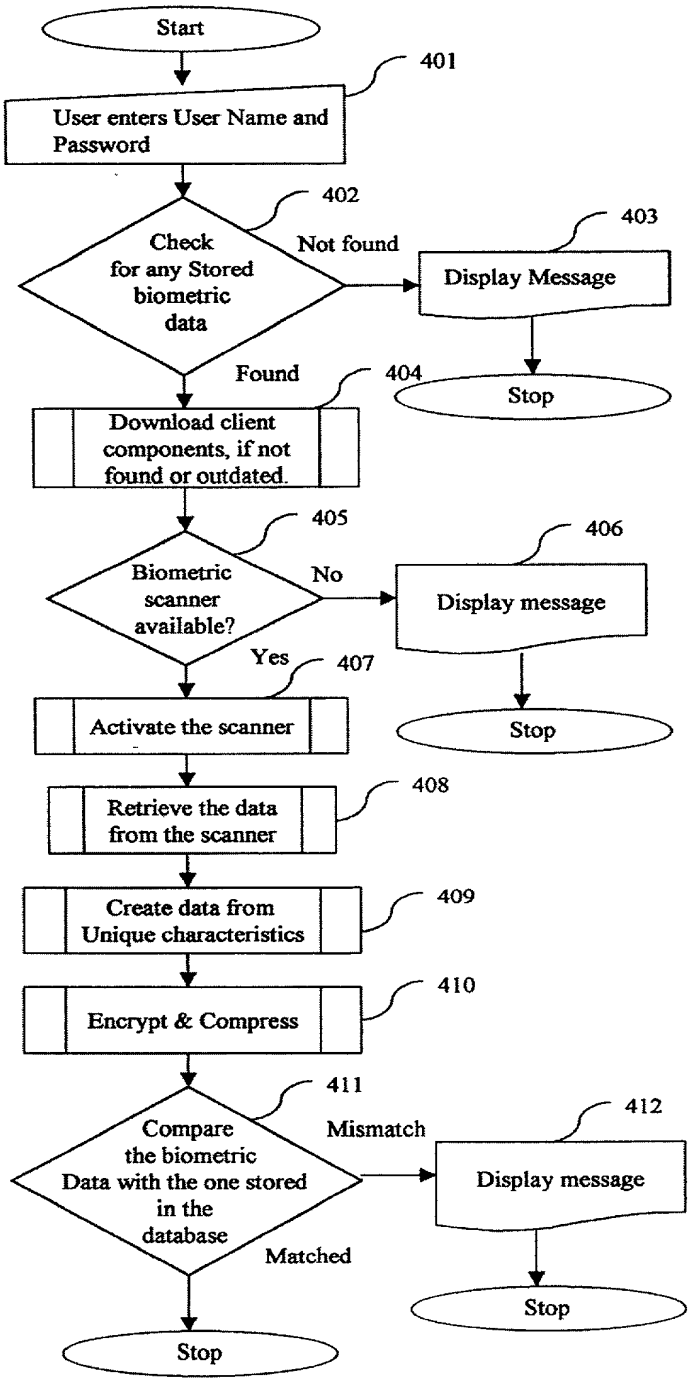

Start
401
User enters User Name and Password
402
Check for any Stored biometric data
Not found
403
Display Message
Stop
Found
404
Download client components, if not found or outdated.
405
Biometric scanner available?
No
406
Display message
Stop
Yes
407
Activate the scanner
408
Retrieve the data from the scanner
409
Create data from Unique characteristics
410
Encrypt & Compress
411
Compare the biometric Data with the one stored in the database
Mismatch
412
Display message
Stop
Matched
Stop

FIGURE 5

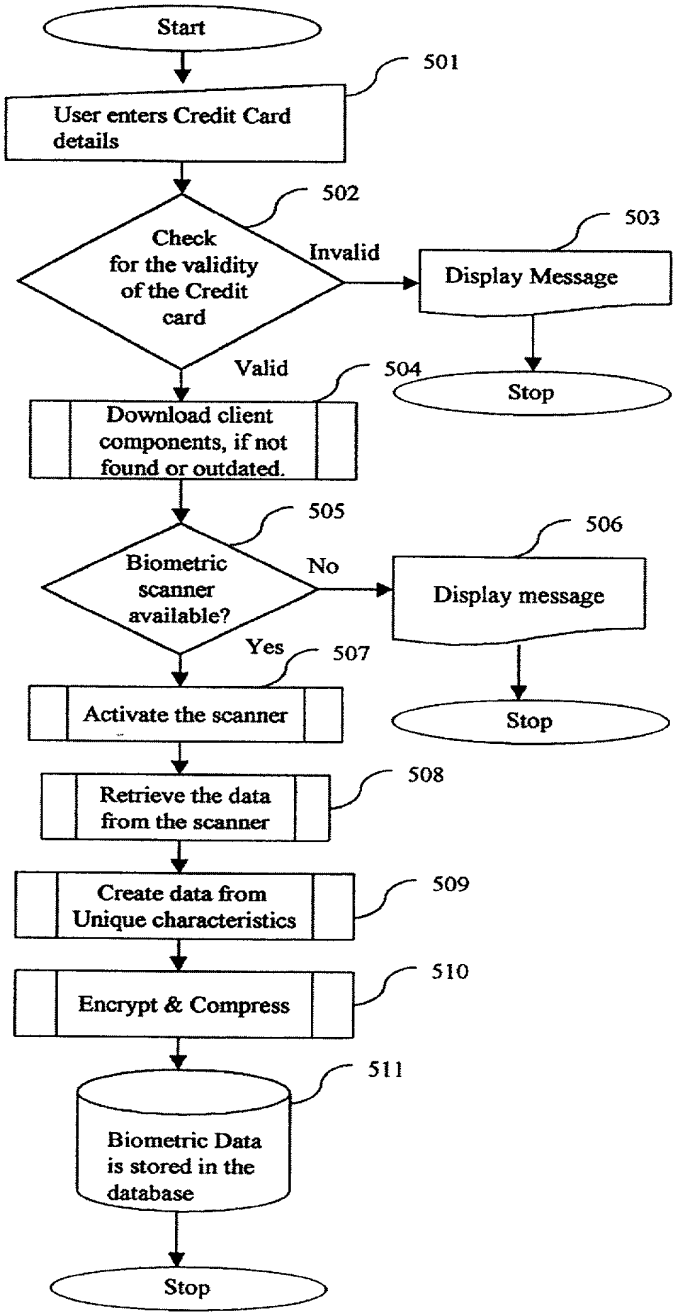

Start
501
User enters Credit Card details
502
Check for the validity of the Credit card
Invalid
503
Display Message
Stop
Valid
504
Download client components, if not found or outdated.
505
Biometric scanner available?
No
506
Display message
Stop
Yes
507
Activate the scanner
508
Retrieve the data from the scanner
509
Create data from Unique characteristics
510
Encrypt & Compress
511
Biometric Data is stored in the database
Stop

FIGURE 6

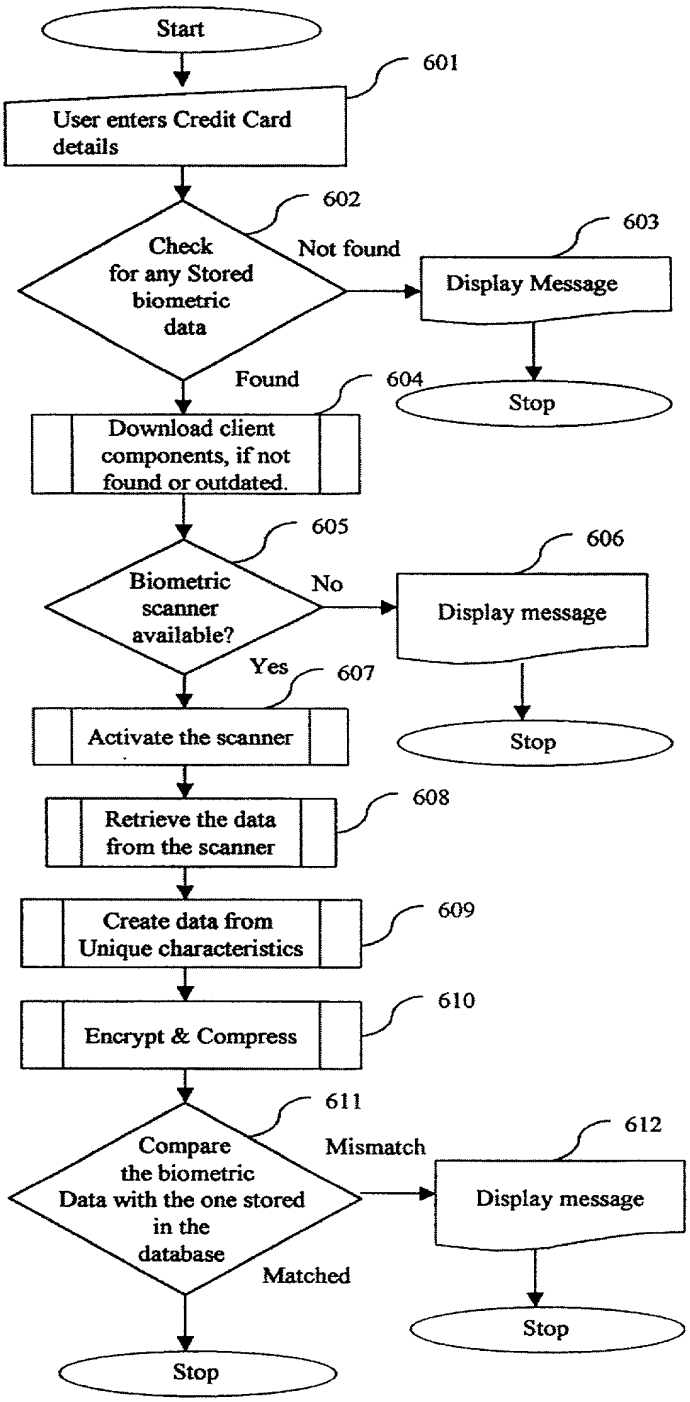

Start
601
User enters Credit Card details
602
Check for any Stored biometric data
Not found
603
Display Message
Stop
Found
604
Download client components, if not found or outdated.
605
Biometric scanner available?
No
606
Display message
Stop
Yes
607
Activate the scanner
608
Retrieve the data from the scanner
609
Create data from Unique characteristics
610
Encrypt & Compress
611
Compare the biometric Data with the one stored in the database
Mismatch
612
Display message
Stop
Matched
Stop

FIGURE 7

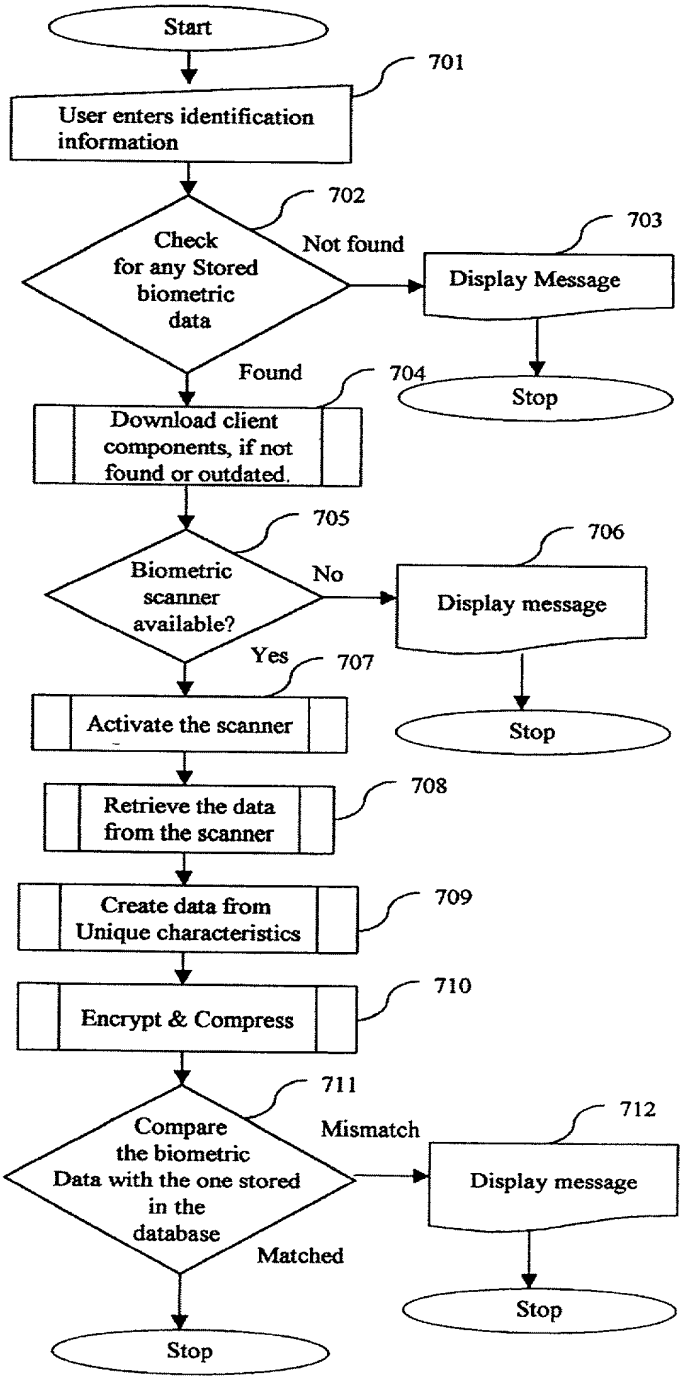

Start
701
User enters identification information
702
Check for any Stored biometric data
Not found
703
Display Message
Stop
Found
704
Download client components, if not found or outdated.
705
Biometric scanner available?
No
706
Display message
Stop
Yes
707
Activate the scanner
708
Retrieve the data from the scanner
709
Create data from Unique characteristics
710
Encrypt & Compress
711
Compare the biometric Data with the one stored in the database
Mismatch
712
Display message
Stop
Matched
Stop

FIGURE 8

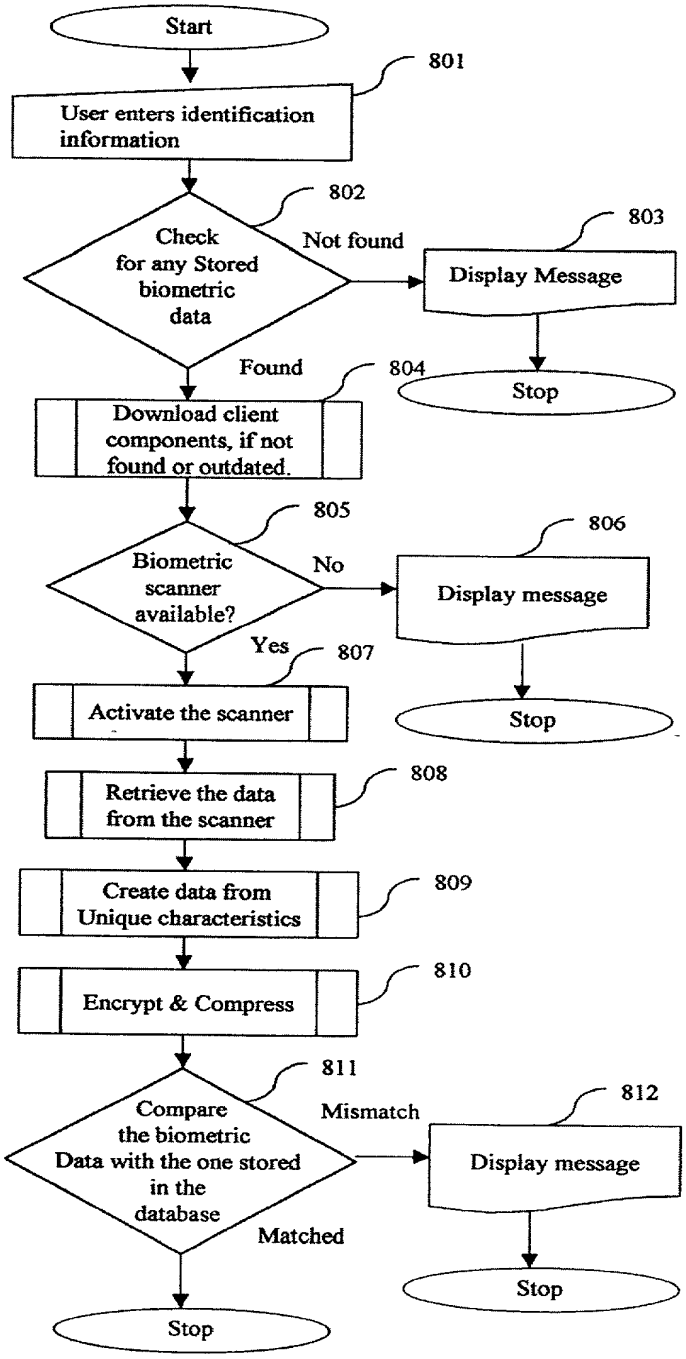

Start
801
User enters identification information
802
Check for any Stored biometric data
Not found
803
Display Message
Stop
Found
804
Download client components, if not found or outdated.
805
Biometric scanner available?
No
806
Display message
Stop
Yes
807
Activate the scanner
808
Retrieve the data from the scanner
809
Create data from Unique characteristics
810
Encrypt & Compress
811
Compare the biometric Data with the one stored in the database
Mismatch
812
Display message
Stop
Matched
Stop

FIGURE 9

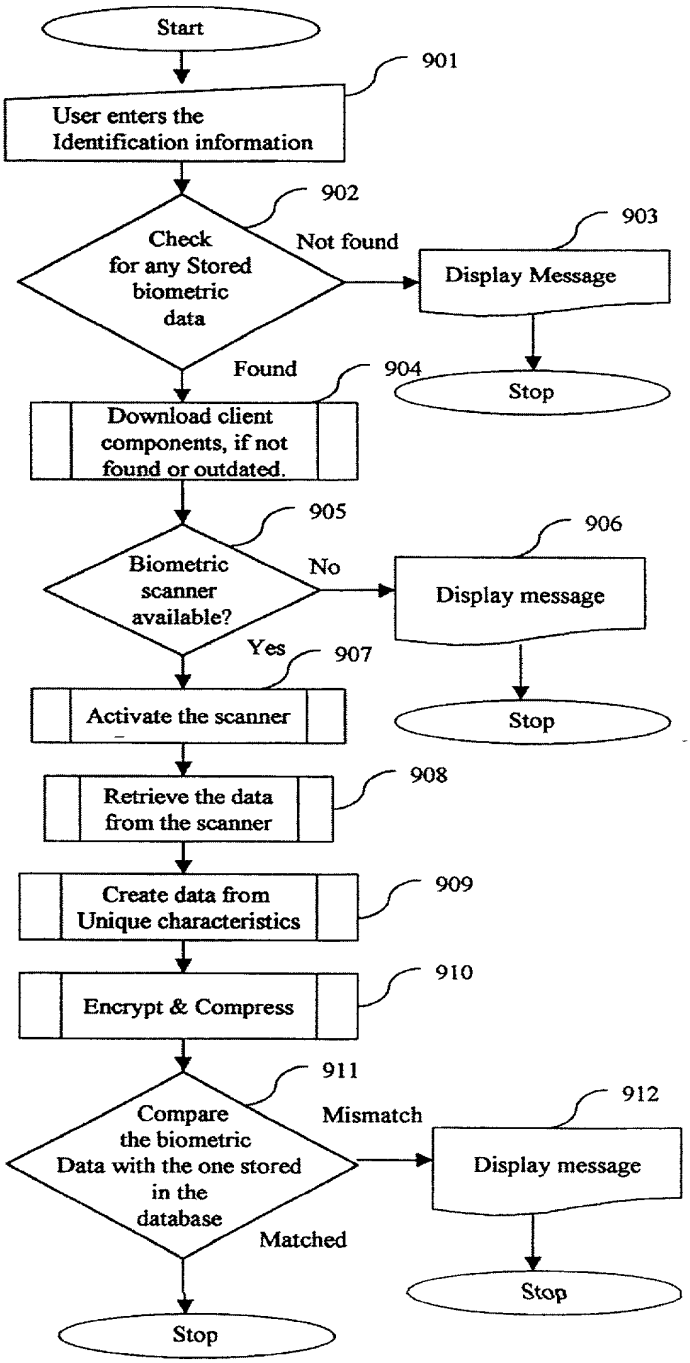

Start
901
User enters the Identification information
902
Check for any Stored biometric data
Not found
903
Display Message
Stop
Found
904
Download client components, if not found or outdated.
905
Biometric scanner available?
No
906
Display message
Stop
Yes
907
Activate the scanner
908
Retrieve the data from the scanner
909
Create data from Unique characteristics
910
Encrypt & Compress
911
Compare the biometric Data with the one stored in the database
Mismatch
912
Display message
Stop
Matched
Stop

FIGURE 10

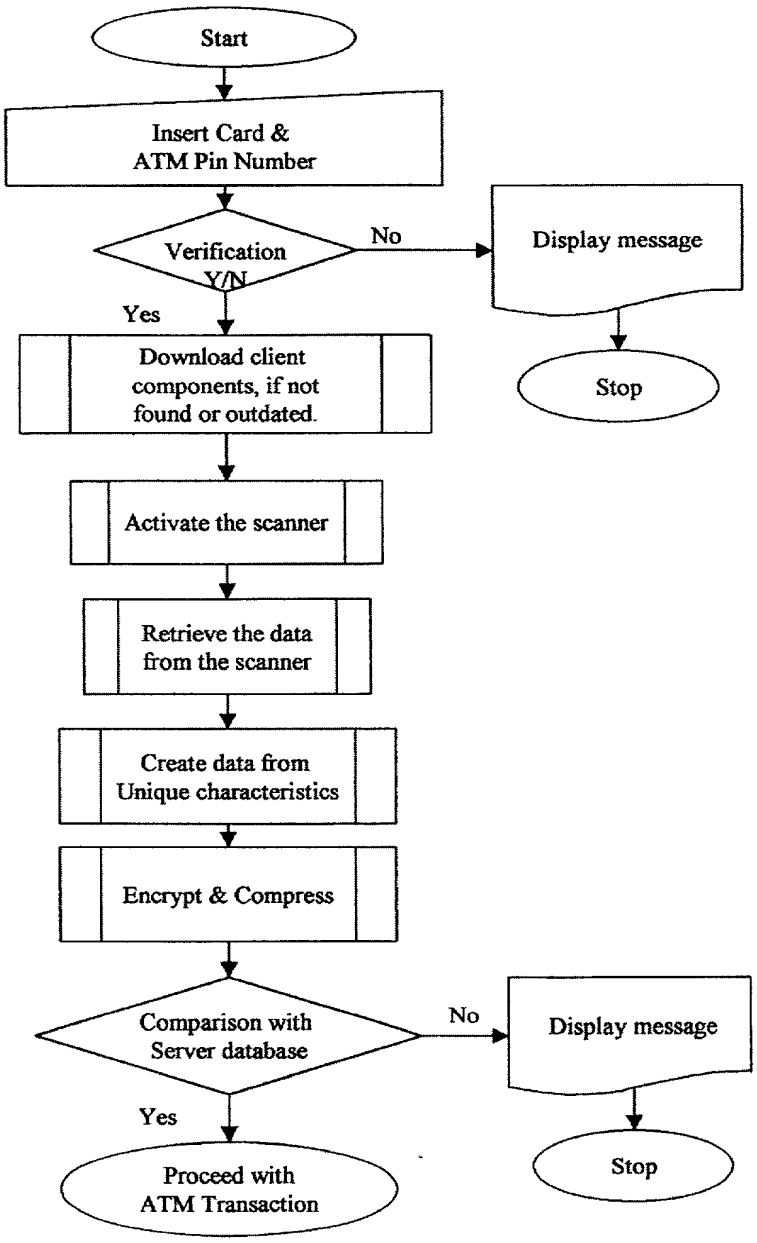
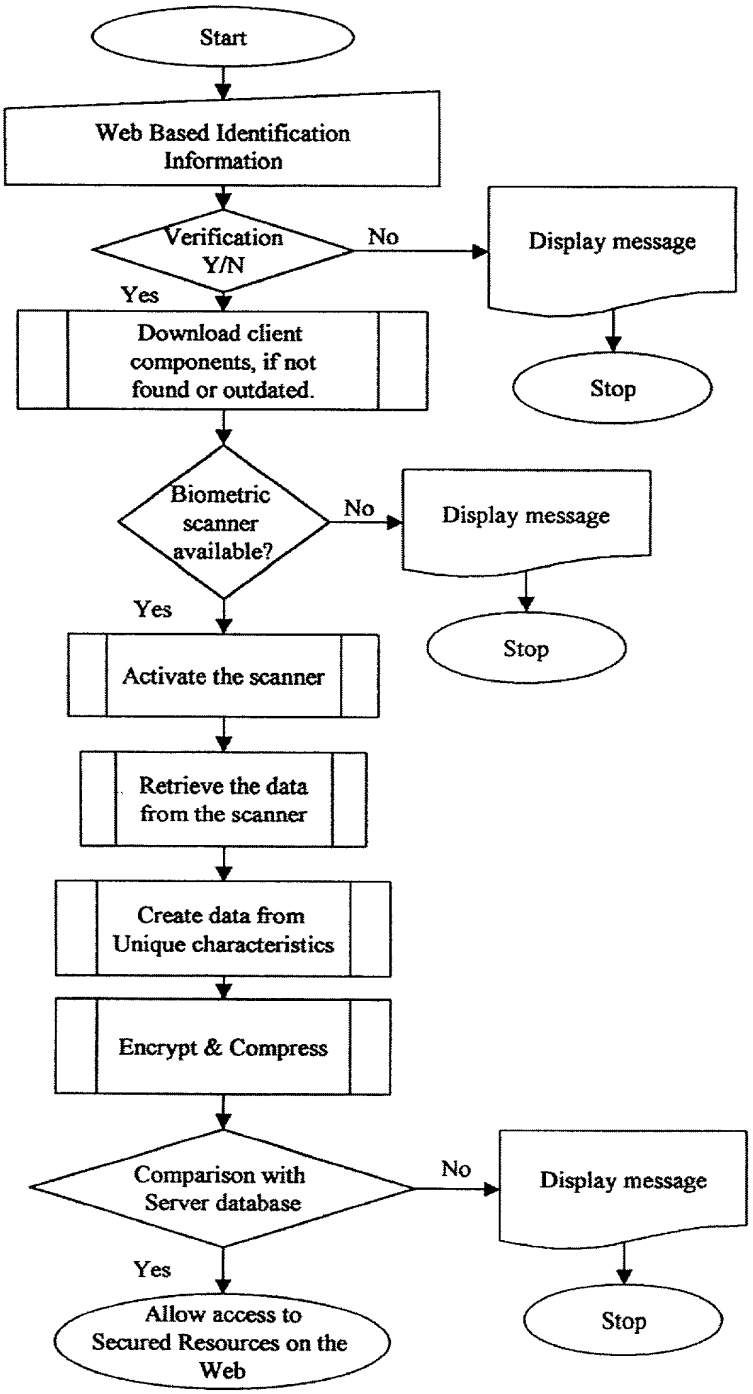

Start
Insert Card &
ATM Pin Number
Verification
Y/N
No
Display message
Stop
Yes
Download client
components, if not
found or outdated.
Activate the scanner
Retrieve the data
from the scanner
Create data from
Unique characteristics
Encrypt & Compress
Comparison with
Server database
No
Display message
Stop
Yes
Proceed with
ATM Transaction

FIGURE 11


Start
Web Based Identification Information
Verification Y/N
No
Display message
Stop
Yes
Download client components, if not found or outdated.
Biometric scanner available?
No
Display message
Stop
Yes
Activate the scanner
Retrieve the data from the scanner
Create data from Unique characteristics
Encrypt & Compress
Comparison with Server database
No
Display message
Stop
Yes
Allow access to Secured Resources on the Web